

Salt Lake County Breakout Discussion Notes

December 7, 2011

MOBILE

I/M

Can a more efficient way of starting up vehicles (all types) be a control strategy? Instant heat prestart.

Expand to Summit County

Education program

Policy makers Utah legislature

Increase seriousness

Reduction statewide?

6% affect of SLC/Davis?

Modeling 10%

Bundle

Eco-driving practices

Behavior modification

Salt Lake County first set-only significant reduction is mobile bundle?

3.0%

Yellow/Red

Car Pool (large employers)

Lower speed limit

Free VTA on red days

Make mandatory carpool lanes on red/yellow days

RVP

Doesn't matter with today's cars

Refining technique

EPA Flexibility in RVP?

Standard RVP for Wasatch front?

What level is effective

Local refinery standard

CARB

What level is it affective?

Need list of strategies and associated reductions

Do all strategies have to be volunteer?

Smoking vehicle hotline- Advertise

East-west mass transit

Signal timing

UDOT intersections

Idle curtesy reminders

Stage II vapor recovery?

Can Utah government be the enforcer?

Can we recommend legislative strategies?

Rule making needed

Fleets conversion

Airport reduction strategies

Private plane controls

Expand Cash 4 Clunkers

What do we need to focus on?

Bank for buck

POINT

Are Kennecott's emissions going down?

Probably in regards in switching power plant from coal to CNG

Changes in seasonal emissions (CNG year round now)

May now be an ozone issue

Inventories

Is KUC cornerstone expansion future emissions included?

Using only filed permits currently in system

Some permitted will get removed or added into the analysis (P&G)

Are there other point sources we can request seasonal controls from?

DAQ is looking at this

Some incentives could maybe be considered for seasonal reductions

(Saturn car plant example) –Kerry

Does geography of point source matter? Are there incentives that could be provided to move them out of urban areas?

Not sure, new idea for air emissions

Rendering plant in Utah County was moved for an odor issue; had many positive economic/quality of life benefits

Are there opportunities for geothermal energy in Salt Lake County?

Not in the non-attainment areas (that we know of)

Ground source heat pumps

Can small area sources be elevated for analysis as point sources?

Great idea, resource dependent (staff time)

Inspections

Could there be partnerships with LHD food inspectors

Small point sources with approval orders could be a place to start

Bigger benefit would come from VOC reductions

Wood coating, furniture refinishers

Is HAFB a point source?

Yes. Their permit has an emissions cap because they actually have numerous point sources

Anticipate more seasonal reductions to shrink allowable gap

Are area source uncertainties address in model?

Yes. Specificity is the larger issue. Allowable emissions based on GOED and population numbers

There is no gap for 2nd tier area industrial sources

Uncertainties from printing industry reduced

Is there specificity for our specific nonattainment areas?

Joel is checking our local numbers against national to get more specificity

Difficulty changing from national surrogates because EPA wants consistency

Are we still looking at specific precursor reductions (VOC)?

Yes

We still get more bang for the buck with all pollutants

Is VOC still the main component of secondary formation?

1:1 benefit on 2nd formation from VOC reductions

We can get a list of the top 15 point sources

Who are the major point sources?

Resend link and include amount of allowable gap. I.e. send '08 actual and 2019 inventories

Point sources in the inventory listed online include more than those considered "major".

Legal definition- 100 ton reporting threshold

DAQ getting all NOX, SOX and primary PM (80-90%) with this threshold VOC less so, about 75% capture

Where are the gaps and how meaningful are they to the relative point source?

Sources with biggest gaps are not always the best or worst

Performance and production factor in

DAQ looks at the gap for opportunities to shrink it

DAQ looking also at just cutting actual emissions

Banked emissions phase out?

Seasonally based operations/production planning

Incentives for production rotation (seasonal)

What's the difference between Davis and Salt Lake Counties?

Monitoring locations (Hawthorne v. Bountiful)

Difference in modeling domain, population growth, number of point source

Uncertainty remains about why; more analysis needed

Under permitted sources can older equipment be monitored and targeted for replacement?

What incentives/disincentives could assist

There is no database approach to categorizing equipment by age

For all pollutants an conservation, consider trying equipment replacement and potential incentive into these issues and look for synergies

Create the mechanism

Is reopening permit review for equipment replacement a disincentive?

Are there way to get new equipment without this?

Some construction giving extra points on bids using cleaner/greener equipment – mobile strategy

Could there be a financing strategy similar to conservation easements for purchasing caps

Does RACT have guidance similar to BACT? (Clear, codified)

DAQ does RACT for all sources

RACT requires re-evaluation and reassessment over time

RACT's metric is dollars per ton

Has DAQ inventoried sources on direct PM 2/5, RACT and timeframe?

We are looking for the most beneficial way to meet the standard

What is the definition of feasible?

Not identical as applied to each source, economic dependent, distance from bulls eye

Some industries make more money than others, is it reasonable to ask them to pay more?

Do we have a target reduction in mind for each source?

Tesoro permit engineers looking at RACT as well

AREA

What are the big contributors to area source primary 2/5 in actual 2008 numbers? It would be helpful to see that.

How much does agricultural apply to Salt Lake

Not very much compared to Box Elder and Cache

Pie chart is for Salt Lake County

Where do pie chart numbers come from?

From EPA provided emission factors

DAQ will be looking for opportunities to reach out to solutions and surface coating industries

Brad Overbow – Red Haunter

Is the pie chart applicable to time outside of non-attainment periods?

Is based on seasonality

Why are there multiple mobile on road vehicle listings in provided table?

Eliminating wood stove burning on yellow days?

Are there incentives to help convert those whose wood burning is sold source to other heating method?

Yes, we need to move to yellow thinking

What would achieve the 80% wood burning reduction?

Call it earlier

Deals with both primary and secondary and is easy to implement

Could be more preemptive and forecast no burn days

Why not just ban burning?

Nothing to do with residential heat sources

Is in inventory

Hasn't assumed any controls

Do poorly insulated houses impact area source numbers?

Very small

Buildings are a different story

Is there a way to look at efficiency retro fit programs for existing homes and businesses?

Not sure these measures need to be voluntary

Possible but may need to be county by county

What kind of strategies for solvent and surface coatings are we investigating and what's available?

Biggest pieces are solvents and surface coatings. Have you worked with these industries?

Have not yet.

What does surface coating mean?

What are examples of surface coating and solvent use?

Architectural coating vs. a large component of surface coating

What is the detailed percentage breakdown?

Architectural coating has a seasonal influence

What's the definition of an exceptional event?

Can we measure actuals during non-attainment days?

Can't really do except for large point sources

Is there a difference between catalytic and non-catalytic?

Very much so

Easier to do no-burn

How to reevaluate dietary manipulation?

Doesn't really help